

PF 20-SEP-2001: 2001WO-0842232.
 XX 22 SEP 2000: 2000US 2348378.
 PR 10-OCT-2000: 2000US 2304409.
 PR 29-JUN-2001: 2001US 301928P.
 XX (COP1-) CORTXA CORP
 PA Benson DR, Mohamath R, Lodes MJ;
 PI WPI; 2002 372001/43
 DR New tumour lung proteins and nucleic acids encoding the proteins, useful
 PT as vaccines and for treating, preventing, diagnosing or monitoring lung
 PT cancer
 XX Claim 1: Page 159-160; 189pp; English.
 XX The invention relates to an isolated polynucleotide comprising a sequence
 CC selected from 183 human DNA sequences (appearing as ABK70130-ABK70312),
 CC or their fragments, homologues, variants or complements and their encoded
 CC polypeptides. Also included are an expression vector comprising the
 CC polynucleotide operably linked to an expression control sequence, a host
 CC cell transformed or transfected with an expression vector of an isolated
 CC antibody, or its antigen-binding fragment that specifically binds to the
 CC polypeptide; a method for detecting the presence of a cancer in a
 CC patient, a fusion protein comprising at least the polypeptide; an
 CC oligonucleotide that hybridises to the polynucleotide under moderately
 CC stringent conditions; a method for stimulating and/or expanding T cells
 CC specific for a tumour protein; an isolated T cell population comprising T
 CC cells prepared from the method of above, a composition comprising a first
 CC component consisting of carriers and immunostimulants, and a second
 CC component selected from the polynucleotides, proteins, antibodies, fusion
 CC proteins, T cell populations and antigen presenting cells expressing the
 CC polypeptide, methods for stimulating an immune response or treating
 CC cancer in a patient by administering the composition and diagnostic kits
 CC comprising at least one of the oligonucleotide of, or an antibody and a
 CC detection reagent consisting of a reporter group. The polypeptides and
 CC polynucleotides are useful as vaccines for the treatment or prevention of
 CC lung cancer, and for diagnosis and monitoring of such cancer. The
 CC polynucleotide, polypeptide and antigen presenting cells can be
 CC used to stimulate or expand T cells specific for a tumorous protein.
 CC The polynucleotides may be used as probes or primers for nucleic acid
 CC hybridisation, and in the preparation of ribozyme molecules for
 CC inhibiting expression of tumour polypeptides and proteins in tumour
 CC cells. The present sequence is one of the 183 lung cancer associated
 CC polynucleotides.
 XX Sequence 2930 BP: 793 A; 658 C; 821 G; 658 T; 0 other;

Alignment Scores:
 Pred. No.: 0.0338 Length: 2930
 Score: 60.00 Matches: 12
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 24 Caps: 0

US-09-856-070-21 (1-12) x ABK70285 (1-2930)

QY 1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
 DB 1109 GAGGAGTTCATGCTGCGGTGTCAGGACATATGAGGAG 1144

RESULT 4
 ABQ88180
 ID ABQ88180 standard; cDNA: 3044 BP.
 XX ABQ88180;
 AC ABQ88180;
 XX 18-SEP-2002 (first entry)

DE Human osteoblast differentiation related cDNA SEQ ID NO 87.

XX Human; osteoblast; stem cell differentiation; bone tissue deposition;
 KW osteoporosis; osteopathic; ss.
 XX Homo sapiens.
 OS W0200250301-A2.
 XX 27-JUN-2002.
 XX 18 DEC 2001, 2001WO-0318276.
 XX 18-DEC-2000: 2000US-255882P.
 PR 24-APR-2001: 2001US-285691P.
 XX (GENE) GENE LOGIC, INC.
 PA (PROC) PROCTER & GAMBLE CO.
 XX In L, Axelrod JW, Chow IS, Jaiswal N, Einstein P, Houghton A;
 PI Mertz L;
 XX WPI; 2002-557663/59.
 XX Use of genes and their expression profiles associated with osteoblast
 PT differentiation for screening modulators bone formation, for diagnosing
 PT or treating e.g. osteoporosis, or as markers for the differentiation
 PT process
 XX Claim 1: SEQ ID NO 87; 78pp + Sequence Listing; English.
 XX The invention relates to genes and their expression profiles are used
 CC for:
 CC (a) screening modulators of precursor stem cell differentiation into
 CC osteoblasts, or bone tissue deposition;
 CC (b) diagnosing abnormal deposition of bone tissue, abnormal rate of
 CC osteoblast formation or osteoporosis; or
 CC (c) treating or monitoring treatment of the conditions cited in (b), or
 CC monitoring the progression of bone tissue deposition.
 CC Specific conditions include postmenopausal osteoporosis, glucocorticoid
 CC osteoporosis or male osteoporosis, osteopenia, osteodystrophy,
 CC drug-induced abnormalities in bone formation or bone loss, conditions
 CC that involve altered bone metabolism (e.g. idiopathic juvenile
 CC osteoporosis), skeletal disease linked to breast cancer, mastocytosis,
 CC Fanconi syndrome or fibrous dysplasia. The present sequence is that of an
 CC osteoblast differentiation associated cDNA marker of the invention.
 CC Note: The sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published_pat_sequences.
 XX Sequence 3044 BP: 826 A; 687 C; 855 G; 675 T; 1 other;

Alignment Scores:
 Pred. No.: 0.0153 Length: 3044
 Score: 60.00 Matches: 12
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 24 Caps: 0

US-09-856-070-21 (1-12) x ABQ88180 (1-3044)

QY 1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
 DB 1150 GAGGAGTTCATGCTGCGGTGTCAGGACATATGAGGAG 1185

RESULT 5
 ABK84552
 ID ABK84552 standard; cDNA: 3044 BP.
 XX ABK84552;
 AC ABK84552;
 XX 14-AUG-2002 (first entry)

Human cDNA differentially expressed in granulocytic cells #1123.

Human; ss; granulocytic cells; DNA chip; bacterial infection;
viral infection; parasitic infection; protozoal infection;
lungal infection; sterile inflammatory disease; psoriasis;
rheumatoid arthritis; glomerulonephritis; asthma; thrombosis;
cardiac reperfusion injury; renal reperfusion injury; ARDS;
adult respiratory distress syndrome; inflammatory bowel disease;
Crohn's disease; ulcerative colitis; peridontal disease;
granulocyte activation; chronic inflammation; allergy.

Homo sapiens.
W0200228999-A2.
11-APR-2002.
03-OCT-2001; 2001W0-0530821.
04-OCT-2000; 2000US 247189P.
(GENE-) GENE LOGIC INC.
Rezeret-Barclay Y, Weissman SM, Yamada S, Vockley J;
WPI; 2002-435438/44.
Detecting granulocyte activation by detecting differential expression
of genes associated with granulocyte activation, which serves as
diagnostic markers that is useful for monitoring disease states and
drug toxicity.

Claim 1: SEQ ID No 1123; 114pp; English.

The invention relates to detecting (M1) granulocyte (GS) activation
(GCA), by detecting the level of expression of gene(s) (GS) identified by
DNA chip analysis as given in the specification, and comparing
the expression level to an expression level in an unactivated
GS, where differential expression of GS is indicative of GCA.
Also included are modulating (M2) GA by contacting GS with an agent
that alters the expression of at least one gene in GS; (2) screening (M3)
for an agent capable of modulating GCA or an inflammation (especially
chronic) in a tissue, an allergic response in a subject, exposure of a
subject to a pathogen or sterile inflammatory disease using the
gene expression profile; (3) detecting (M4) an inflammation (especially
chronic) in a tissue, an allergic response in a subject, exposure of a
subject to a pathogen or sterile inflammatory disease, by detecting the
level of expression in a sample of the tissue of gene(s) from GS, where
the level of expression of the gene is indicative of inflammation;
(4) treating (M5) an inflammation (especially chronic) or in a tissue,
an allergic response in a subject, exposure of a subject to a pathogen
or sterile inflammatory disease, by contacting a tissue having
inflammation with an agent that modulates the expression of gene(s)
from GS in the tissue. M1 is useful for detecting GCA; M2 is useful for
modulating GA; M3 is useful for screening an agent capable of modulating
GCA preferably in an inflammation in a tissue; M4 is useful for
detecting an inflammation (especially chronic) in a tissue, an allergic
response in a subject, exposure of a subject to a pathogen or sterile
inflammatory disease (e.g. psoriasis, rheumatoid arthritis,
glomerulonephritis, asthma, thrombosis, cardiac reperfusion injury, renal
reperfusion injury, ARDS, adult respiratory distress syndrome,
inflammatory bowel disease, Crohn's disease, ulcerative colitis,
periodontal disease, also bacterial infection, viral infection,
parasitic infection, protozoal infection, lungal infection and M5 is
useful for treating one of the above conditions. The present
sequence represents a gene differentially expressed in granulocytes.
Note: The sequence data for this patent did not form part
of the printed specification, but was obtained in electronic
format directly from WIPO at
ftp.wipo.int/pub/published_pct_sequences.

Sequence 3044 HP; 826 A; 687 C; 855 G; 675 T; 1 other;

Alignment Scores:
Pred. No.: 0.0353 Length: 3044
Score: 60.00 Matches: 12
Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00% Conservative: 0
Query Match: 100.00% Indels: 0
DB: 24 Gaps: 0

US-09-856-070-21 (1-12) X AUP34552 (1-3044)

QY 1 GluGluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
|||||
DB 1150 CAGCAGTTTCATGCTGCGGCTCCACGACATATGAGGAG 1185
|||||

RESULT 6
ABN97223
ID ABN97223 standard: DNA: 3044 BP.
XX
AC ABN97223;
XX
DT 13-AUG-2002 (first entry)
XX
DE Gene #3721 used to diagnose liver cancer.
XX
KW Gene; liver cancer, ds, hepatocellular carcinoma; hepatotropic;
metastatic liver tumor, cytostatic, expression profile, disease state;
disease progression; drug toxicity; drug efficacy; drug metabolism.
XX
OS Homo sapiens.
XX
PN W0200229103-A2.
XX
PD 11-APR-2002.
XX
FE 02-OCT-2001; 2001W0-0530589
XX
FP 02-OCT-2000; 2000US 237054P.
XX
PA (GENE-) GENE LOGIC INC.
XX
PI Horne D, Alvares C, Peres-Da-Silva S, Vockley JG;
WPI; 2002-426115/45.
XX
DI Diagnosing and detecting the progression of liver cancer,
hepatocellular carcinoma or metastatic liver tumor in a patient,
PT involves detecting the level of expression of two or more genes in a
PT liver tissue sample.
XX
DS Claim 1; SEQ ID NO 3721; 298pp; English.
XX
CC The invention relates to a novel method for diagnosing and detecting the
CC progression of liver cancer, hepatocellular carcinoma or metastatic liver
CC tumor in a patient, and differentiating metastatic liver cancer from
CC hepatocellular carcinoma in a patient, involving detecting the level of
CC expression of two or more genes represented in ABN93503-ABN97455 in a
CC tissue sample. The method of the invention has hepatotropic, and
CC cytostatic activity. The method is useful for diagnosing and detecting
CC the progression of liver cancer, hepatocellular carcinoma and metastatic
CC liver carcinoma in a patient. The method is useful for identifying
CC expression profiles which serve as useful diagnostic markers as well as
CC markers that can be used to monitor disease states, disease progression,
CC drug toxicity, drug efficacy and drug metabolism.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX
SQ Sequence 3044 HP; 826 A; 687 C; 855 G; 675 T; 1 other;

Alignment Scores:
Pred. No.: 0.0353 Length: 3044
Score: 60.00 Matches: 12
Percent Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Conservative: 0

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Alignment Scores:
pred. No.:      0.0353      length:      3047
Score:          60.00      Matches:      12
Percent Similarity: 100.00%      Conservative: 0

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Alignment Scores:
Pred. No.:      0.0357      Length:      3072
Score:          60.00      Matches:      12

```

Percent Similarity: 100.00%
 Best Local Similarity: 100.00%
 Query Match: 100.00%
 DB: 24
 Conserved: 0
 Mismatches: 0
 Indels: 0
 Gaps: 0

US-09-856-070-21 (1-12) x ABQ88182 (1-372)

QY 1 GluGluLeuMetLeuArqLeuGluAspFyrGluGlu 12
 ID 1166 GAGCAGTTCATGCTGGCTGACGAGCTATGAGCAG 1201

RESULT 9

AAK98113
 ID AAK98113 standard: cDNA; 3115 BP.

XX AAK98113;

DI 09-MAR-2001 (first entry)

DE human colon cancer antigen nucleotide sequence SEQ ID NO:123.

XX Human; colon cancer; colon cancer antigen; diagnosis; detection;
 KW identification; cytostatic; cardioactive; neuroprotective; vulnary;
 KW immunomodulatory; muscular; gynaecological; gastrointestinal;
 KW nephrotropic; antifertile; antibacterial; gene therapy; wound;
 KW neural disorder; immune system disorder; muscular disorder;
 KW reproductive disorder; gastrointestinal disorder; renal disorder;
 KW infectious disease; cardiovascular disorder; ss

XX Homo sapiens.

XX W0200055451-A1.

XX 21-SEP-2000.

XX 08-MAR-2000; 2000W0-US05883

XX 12-MAR-1999; 99US 0124270.

XX (HUMA-) HUMAN GENOME SCI INC.

XX Rosen CA, Ruben SM;

XX WPI: 2000-587534/55

XX P-PSDB; AAK54356

XX Colon cancer associated gene sequences, referred to as colon cancer
 PT antigens, useful for the treatment, prevention, and diagnosis of colon
 PT disorders such as colon cancer

PS Claim 1: Page 559-560; 2104pp; English.

XX AAC297991 to AAC98763 encode the human colon cancer associated proteins,
 CC called human colon cancer antigens, given in AAC54234 to AAC54056 the
 CC human colon cancer antigens can have cytostatic, cardioactive, muscular,
 CC neuroprotective, immunomodulatory, gynaecological, gastrointestinal,
 CC vulnary, nephrotropic, antifertile and antibacterial activities, and
 CC can be used in gene therapy, the colon cancer antigen polynucleotides,
 CC proteins and antibodies to the proteins are useful for the prevention,
 CC treatment and diagnosis of colon disorders, such as colon cancer. The
 CC polynucleotides may be used in diagnostics and research, such as for
 CC chromosome identification, and as hybridisation probes. The proteins
 CC may also be used to prevent diseases such as neural disorders, immune
 CC system disorders, muscular disorders, reproductive disorders,
 CC gastrointestinal disorders, wounds, renal disorders, infectious
 CC diseases, and cardiovascular disorders. AAC58764 to AAC58772 and
 CC AAC54007 represent sequences used in the exemplification of the present
 CC invention.

XX Seq. Sequence 3115 BP; 873 A; 666 C; 872 G; 670 T; 4 other;

XX Alignment Scores:

XX Pref. No.: 0.0462 Length: 3115

Score: 60.00
 Percent Similarity: 100.00%
 Best Local Similarity: 100.00%
 Query Match: 100.00%
 DB: 21
 Matches: 12
 Conserved: 0
 Mismatches: 0
 Indels: 0
 Gaps: 0

US-09-856-070-21 (1-12) x AAK98113 (1-3115)

QY 1 GluGluLeuMetLeuArqLeuGluAspFyrGluGlu 12
 ID 1182 GAGCAGTTCATGCTGGCTGACGAGCTATGAGCAG 1217

RESULT 10

AAK70537/C

ID AAK70537 standard: DNA; 11445 BP.

XX AAK70537;

XX 06-NOV-2001 (first entry)

XX Human immune/haematopoietic antigen genomic sequence SEQ ID NO:25449.
 KW Human, immune, haematopoietic, immune/haematopoietic antigen; cancer;
 KW cytostatic, gene therapy, vaccine; metastasis; ds.

XX Homo sapiens.

XX W0200157182-A2.

XX 09-AUG-2001.

XX 17-JAN-2001; 2001W0-US01354.

XX 31-JAN-2000; 2000US-0179065.

XX 04-FEB-2000; 2000US-0180628.

XX 24-FEB-2000; 2000US-0184664.

XX 02-MAR-2000; 2000US-0186350.

XX 16-MAR-2000; 2000US-0189874.

XX 17-MAR-2000; 2000US-0190076.

XX 18-APR-2000; 2000US-0198123.

XX 19-MAY-2000; 2000US-0205515.

XX 07-JUN-2000; 2000US-0209467.

XX 28-JUN-2000; 2000US-0214886.

XX 30-JUN-2000; 2000US-0215135.

XX 07-JUL-2000; 2000US-0216647.

XX 07-JUL-2000; 2000US-0216880.

XX 11-JUL-2000; 2000US-0217487.

XX 11-JUL-2000; 2000US-0217496.

XX 14-JUL-2000; 2000US-0218290.

XX 25-JUL-2000; 2000US-0220963.

XX 25-JUL-2000; 2000US-0220964.

XX 14-AUG-2000; 2000US-0224518.

XX 14-AUG-2000; 2000US-0224519.

XX 14-AUG-2000; 2000US-0225213.

XX 14-AUG-2000; 2000US-0225214.

XX 14-AUG-2000; 2000US-0225266.

XX 14-AUG-2000; 2000US-0225267.

XX 14-AUG-2000; 2000US-0225268.

XX 14-AUG-2000; 2000US-0225270.

XX 14-AUG-2000; 2000US-0225447.

XX 14-AUG-2000; 2000US-0225757.

XX 14-AUG-2000; 2000US-0225758.

XX 14-AUG-2000; 2000US-0225759.

XX 14-AUG-2000; 2000US-0225760.

XX 14-AUG-2000; 2000US-0225761.

XX 14-AUG-2000; 2000US-0225762.

XX 14-AUG-2000; 2000US-0225763.

XX 14-AUG-2000; 2000US-0225764.

XX 14-AUG-2000; 2000US-0225765.

XX 14-AUG-2000; 2000US-0225766.

XX 14-AUG-2000; 2000US-0225767.

XX 14-AUG-2000; 2000US-0225768.

XX 14-AUG-2000; 2000US-0225769.

XX 14-AUG-2000; 2000US-0225770.

XX 14-AUG-2000; 2000US-0225771.

XX 14-AUG-2000; 2000US-0225772.

XX 14-AUG-2000; 2000US-0225773.

XX 14-AUG-2000; 2000US-0225774.

XX 14-AUG-2000; 2000US-0225775.

XX 14-AUG-2000; 2000US-0225776.

XX 14-AUG-2000; 2000US-0225777.

XX 14-AUG-2000; 2000US-0225778.

XX 14-AUG-2000; 2000US-0225779.

XX 14-AUG-2000; 2000US-0225780.

XX 14-AUG-2000; 2000US-0225781.

XX 14-AUG-2000; 2000US-0225782.

XX 14-AUG-2000; 2000US-0225783.

XX 14-AUG-2000; 2000US-0225784.

XX 14-AUG-2000; 2000US-0225785.

XX 14-AUG-2000; 2000US-0225786.

XX 14-AUG-2000; 2000US-0225787.

XX 14-AUG-2000; 2000US-0225788.

XX 14-AUG-2000; 2000US-0225789.

XX 14-AUG-2000; 2000US-0225790.

XX 14-AUG-2000; 2000US-0225791.

XX 14-AUG-2000; 2000US-0225792.

XX 14-AUG-2000; 2000US-0225793.

XX 14-AUG-2000; 2000US-0225794.

XX 14-AUG-2000; 2000US-0225795.

XX 14-AUG-2000; 2000US-0225796.

XX 14-AUG-2000; 2000US-0225797.

XX 14-AUG-2000; 2000US-0225798.

XX 14-AUG-2000; 2000US-0225799.

XX 14-AUG-2000; 2000US-0225800.

XX 14-AUG-2000; 2000US-0225801.

XX 14-AUG-2000; 2000US-0225802.

XX 14-AUG-2000; 2000US-0225803.

XX 14-AUG-2000; 2000US-0225804.

XX 14-AUG-2000; 2000US-0225805.

XX 14-AUG-2000; 2000US-0225806.

XX 14-AUG-2000; 2000US-0225807.

XX 14-AUG-2000; 2000US-0225808.

XX 14-AUG-2000; 2000US-0225809.

XX 14-AUG-2000; 2000US-0225810.

XX 14-AUG-2000; 2000US-0225811.

XX 14-AUG-2000; 2000US-0225812.

XX 14-AUG-2000; 2000US-0225813.

XX 14-AUG-2000; 2000US-0225814.

XX 14-AUG-2000; 2000US-0225815.

XX 14-AUG-2000; 2000US-0225816.

XX 14-AUG-2000; 2000US-0225817.

XX 14-AUG-2000; 2000US-0225818.

XX 14-AUG-2000; 2000US-0225819.

XX 14-AUG-2000; 2000US-0225820.

XX 14-AUG-2000; 2000US-0225821.

XX 14-AUG-2000; 2000US-0225822.

XX 14-AUG-2000; 2000US-0225823.

XX 14-AUG-2000; 2000US-0225824.

XX 14-AUG-2000; 2000US-0225825.

XX 14-AUG-2000; 2000US-0225826.

XX 14-AUG-2000; 2000US-0225827.

XX 14-AUG-2000; 2000US-0225828.

XX 14-AUG-2000; 2000US-0225829.

XX 14-AUG-2000; 2000US-0225830.

XX 14-AUG-2000; 2000US-0225831.

XX 14-AUG-2000; 2000US-0225832.

XX 14-AUG-2000; 2000US-0225833.

XX 14-AUG-2000; 2000US-0225834.

XX 14-AUG-2000; 2000US-0225835.

XX 14-AUG-2000; 2000US-0225836.

XX 14-AUG-2000; 2000US-0225837.

XX 14-AUG-2000; 2000US-0225838.

XX 14-AUG-2000; 2000US-0225839.

XX 14-AUG-2000; 2000US-0225840.

XX 14-AUG-2000; 2000US-0225841.

XX 14-AUG-2000; 2000US-0225842.

XX 14-AUG-2000; 2000US-0225843.

XX 14-AUG-2000; 2000US-0225844.

XX 14-AUG-2000; 2000US-0225845.

XX AAS94452;
 XX 13 FEB 2002 (first entry)
 DE DNA encoding novel human diagnostic protein #29156.
 DE Human; chromosome mapping; gene mapping; gene therapy; forensic;
 KW food supplement; medical imaging; diagnostic; genetic disorder, ss.
 XX Homo sapiens.
 OS W0290175067-A2.
 PR 11-OCT-2001
 XX 30-MAR-2001; 2001WO-0508631.
 XX 31-MAR-2000; 2000US-0549217.
 PR 23-AUG-2000; 2000US-0649167.
 XX (BYSE-) HYSEQ INC
 PA Drmanac RT, Liu C, Tang YT;
 PI WPI: 2001-639462/74
 DE P-PSDB; AAG29165
 XX New isolated polynucleotide and encoded polypeptides, useful in
 PI diagnostics, forensics, gene mapping, identification of mutations
 PT responsible for genetic disorders or other traits and to assess
 PT biodiversity
 XX Claim 1; SEQ ID NO 29156; 103pp; English.
 XX The invention relates to isolated polynucleotide (I) and
 CC polypeptide (II) sequences. (I) is useful as hybridisation probes,
 CC polymerase chain reaction (PCR) primers, oligomers, and for chromosome
 CC and gene mapping, and in recombinant production of (II). The
 CC polypeptides are also used in diagnostics as expressed sequence tags
 CC for identifying expressed genes. (I) is useful in gene therapy techniques
 CC to restore normal activity of (II) or to treat disease states involving
 CC (II). (II) is useful for generating antibodies against it, detecting or
 CC quantitating a polypeptide in tissue, as molecular weight markers and as
 CC a food supplement. (II) and its binding partners are useful in medical
 CC imaging of sites expressing (II). (I) and (II) are useful for treating
 CC disorders involving aberrant protein expression or biological activity.
 CC The polypeptide and polynucleotide sequences have applications in
 CC diagnostics, forensics, gene mapping, identification of mutations
 CC responsible for genetic disorders or other traits to assess biodiversity
 CC and to produce other types of data and products dependent on DNA and
 CC amino acid sequences. AAS64197-AAS94564 represent novel human
 CC diagnostic coding sequences of the invention.
 CC Note: The sequence data for this patent did not appear in the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at http://wipo.int/pub/published_pct_sequences.
 XX Sequence 1447 BP; 447 A; 356 C; 383 G; 361 T; 0 other;

Alignment Scores:
 Pred. No.: 99.9 Length: 1447
 Score: 41.00 Matches: 8
 Percent Similarity: 90.91% Conservative: 2
 Best Local Similarity: 72.73% Mismatches: 1
 Query Match: 68.33% Indels: 0
 Gaps: 23

US 09 856-070-21 (1-12) x AAS94452 (1-1447)

QY 1 GluGluLeuMetLeuAlaLeuGlnAspTyrGlu 11
 ::::::::::::::::::::

Db 979 AAGAGTTGATGCTATGGGAGAAAGATTACGAG 1011

RESULT 12
 ABA71189/C
 ID ABA71189 standard; DNA; 205 BP.
 XX AC ABA71189;
 XX 01-FEB-2002 (first entry)
 XX Human fetal liver single exon nucleic acid probe #19494.
 DE Human; fetal liver; gene expression; single exon nucleic acid probe; ss.
 KW Homo sapiens.
 OS W0200157277 A2.
 PR 09-AUG-2001.
 XX 30-JAN 2001, 2001WO-0500669.
 XX 04-FEB-2000; 2000US-0180312.
 PR 26-MAY-2000; 2000US-0207456.
 PR 30-JUN-2000; 2000US-0608408.
 PR 03-AUG-2000; 2000US-0632366.
 PR 21-SEP-2000; 2000US-0234687.
 PR 27-SEP-2000; 2000US-0236459.
 PR 04-OCT-2000; 2000GB-0024263.
 XX (MOLR-) MOLECULAR DYNAMICS INC.
 XX Penn SG, Hanzel DK, Chen W, Rank DR;
 PI WPI: 2001-483447/52.
 XX Human genome-derived single exon nucleic acid probes useful for
 PT analyzing gene expression in human fetal liver
 XX Claim 4; SEQ ID NO 19494; 639pp + sequence listing; English.
 XX The invention relates to a single exon nucleic acid probe for
 CC measuring human gene expression in a sample derived from human fetal
 CC liver. The single exon nucleic acid probes may be used for predicting,
 CC measuring and displaying gene expression in samples derived from human
 CC fetal liver. The present sequence is a single exon nucleic acid
 CC probe of the invention.
 CC Note: The sequence data for this patent did not form part of the
 CC printed specification, but was obtained in electronic format directly
 CC from WIPO at http://wipo.int/pub/published_pct_sequences.
 XX Sequence 205 BP; 71 A; 35 C; 36 G; 63 T; 0 other;

Alignment Scores:
 Pred. No.: 26.2 Length: 205
 Score: 39.00 Matches: 8
 Percent Similarity: 90.91% Conservative: 2
 Best Local Similarity: 72.73% Mismatches: 1
 Query Match: 65.00% Indels: 0
 Gaps: 22

US-09-856-070-21 (1-12) x ABA71189 (1-205)

QY 2 GluLeuMetLeuAlaLeuGlnAspTyrGluGlu 12
 ::::::::::::::::::::

Db 151 GAGCTATTCTTCGCCCTCAAGAAATATTGAA 119

RESULT 13

AAK19487/C

ID AAK19487 standard; DNA; 205 BP.

XX AAK19487;

XX 05-NOV-2001 (first entry)

XX

DE Human brain expressed single exon probe SEQ ID NO: 19478.
 XX Human; brain expressed exon; gene expression analysis; probe;
 KW microarray; Alzheimer's disease; multiple sclerosis; schizophrenia;
 KW epilepsy; cancer; ss.
 XX Homo sapiens.
 OS
 XX WO200157275-A2
 PN
 XX 09-AUG-2001
 PD
 XX 30-JAN-2001; 2001WO-US00667.
 PF
 XX 04-FEB-2000; 2000US-0180312.
 PR 26-MAY-2000; 2000US-0207456.
 PR 30-JUN-2000; 2000US-0608408.
 PR 03-AUG-2000; 2000US-0643456.
 PR 21-SEP-2000; 2000US-0234687.
 PR 27-SEP-2000; 2000US-0234635.
 PR 04-OCT-2000; 2000US-0234635.
 XX
 XX (MOLE-) MOLECULAR DYNAMICS INC.
 PA
 XX Penn SG, Hanzel DK, Chen W, Rank DR;
 PI
 XX WPI; 2001-483446/52.
 DP
 XX Single exon nucleic acid probes for analyzing gene expression in human
 PT brains -
 PT
 XX
 XX Example 4, SEQ ID NO: 19478; 650bp - Sequence Listing; English
 PS
 XX The present invention provides a number of single exon nucleic acid
 CC probes which are derived from genomic sequences expressed in the human
 CC brain. They can be used to measure gene expression in brain cell samples,
 CC which may enable the diagnosis and improved treatment of nervous system
 CC diseases such as Alzheimer's disease, multiple sclerosis, schizophrenia,
 CC epilepsy and cancers. The present sequence is one of the probes of the
 CC invention.
 XX
 XX Sequence 205 BP; 71 A; 35 C; 36 G; 63 T; 0 other;
 SQ
 XX
 XX Alignment Scores:
 Prod. No.: 26.2 Length: 205
 Score: 39.00 Matches: 8
 Percent Similarity: 95.91% Conservative: 2
 Best Local Similarity: 72.73% Mismatches: 1
 Query Match: 65.00% Indels: 0
 DB: 22 Gaps: 0
 US-09-856-070-21 (1-12) x AAK19/87 (1-205)
 QY 2 GluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
 DB 151 GAGCTTATTCGCGCTTCAAGAAATATTTCGA 119
 RESULT 14
 AAK45478/c
 ID AAK45478 standard; DNA; 205 BP.
 XX
 XX AC AAK45478;
 AC
 XX 17-OCT-2001 (first entry)
 DE
 XX Probe #20109 used to measure gene expression in human placenta sample.
 KW Probe; microarray; human; placenta; antenatal diagnosis;
 KW genetic disorder; ss.
 XX Homo sapiens.
 OS
 XX WO200157272 A2.
 PN
 XX 09-AUG-2001.
 PD
 XX 30-JAN-2001; 2001WO-US00663.
 PF
 XX 04-FEB-2000; 2000US-0180312.
 PR 26-MAY-2000; 2000US-0207456.
 PR 30-JUN-2000; 2000US-0608408.
 PR 03-AUG-2000; 2000US-0643456.
 PR 21-SEP-2000; 2000US-0234687.
 PR 27-SEP-2000; 2000US-0234635.
 PR 04-OCT-2000; 2000US-0234635.
 XX

XX 09-AUG-2001.
 PD
 XX 30-JAN-2001; 2001WO-US00668.
 PF
 XX 04-FEB-2000; 2000US-0180312.
 PR 26-MAY-2000; 2000US-0207456.
 PR 30-JUN-2000; 2000US-0608408.
 PR 03-AUG-2000; 2000US-0643456.
 PR 21-SEP-2000; 2000US-0234687.
 PR 27-SEP-2000; 2000US-0234635.
 PR 04-OCT-2000; 2000US-0234635.
 XX
 XX (MOLE-) MOLECULAR DYNAMICS INC.
 PA
 XX Penn SG, Hanzel DK, Chen W, Rank DR;
 PI
 XX WPI; 2001-488900/53.
 DP
 XX Human genome derived single exon nucleic acid probes useful for
 PT analyzing gene expression in human bone marrow -
 PT
 XX
 XX Example 4; SEQ ID NO: 20035; 658pp - Sequence Listing; English.
 PS
 XX The present invention provides a number of single exon nucleic acid
 CC probes which are derived from genomic sequences expressed in the human
 CC bone marrow. They can be used to measure gene expression in bone marrow
 CC samples, which may enable the improved diagnosis and treatment of cancers
 CC such as lymphoma, leukaemia and myeloma. The present sequence is one of
 CC the probes of the invention.
 XX
 XX Sequence 205 BP; 71 A; 35 C; 36 G; 63 T; 0 other;
 SQ
 XX
 XX Alignment Scores:
 Prod. No.: 26.2 Length: 205
 Score: 39.00 Matches: 8
 Percent Similarity: 95.91% Conservative: 2
 Best Local Similarity: 72.73% Mismatches: 1
 Query Match: 65.00% Indels: 0
 DB: 22 Gaps: 0
 US-09-856-070-21 (1-12) x AAK45478 (1-205)
 QY 2 GluLeuMetLeuArgLeuGlnAspTyrGluGlu 12
 DB 151 GAGCTTATTCGCGCTTCAAGAAATATTTCGA 119
 RESULT 15
 AAK151423/c
 ID AAK151423 standard; DNA; 205 BP.
 XX
 XX AC AAK151423;
 AC
 XX 17-OCT-2001 (first entry)
 DE
 XX Probe #20109 used to measure gene expression in human placenta sample.
 KW Probe; microarray; human; placenta; antenatal diagnosis;
 KW genetic disorder; ss.
 XX Homo sapiens.
 OS
 XX WO200157272 A2.
 PN
 XX 09-AUG-2001.
 PD
 XX 30-JAN-2001; 2001WO-US00663.
 PF
 XX 04-FEB-2000; 2000US-0180312.
 PR 26-MAY-2000; 2000US-0207456.
 PR 30-JUN-2000; 2000US-0608408.
 PR 03-AUG-2000; 2000US-0643456.
 PR 21-SEP-2000; 2000US-0234687.
 PR 27-SEP-2000; 2000US-0234635.
 PR 04-OCT-2000; 2000US-0234635.
 XX

